20th PA bill SBR=000031/24-25/6/8/24 013-00-000000.

BR=000031/24-25/6/8/24

D-3.

M. A. R. 57 (Rule 116) No. E

Measurement Book

684723

Serial No. .....

Name of work Annual maintenance of street lights pertaining to Mallasandra ward no 13. From 01.07.2024 To 31.07.2024

Name of Contractor of nature of Agency M/s UNITED FACILITIES

Date of commencement of work CE/EE(D2)TEND/EAC[3]/04/2024-25 Dt: 15.03.2024 EE/EE(D2)/TECH/SW013/033/2024-25 Dt: 15.03.2024

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1. Operation & maintenance of Street lighting system including replacement of damaged / failed / fused out components like lamps, tubes, chokes, ignitors, capacitors switches, wires, holders, starters and switching ON/OFF of Street lights at specified Mooring & pole numbering preparing ward wise, Street wise data bank furnishing maintenance reports, energy bills etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting systems as detailed below 36/40W fluorescent tube light Street lighting system.	9 Nos	x Rs. 55.83	x 1 month =		502.47.	

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Bruhath Bangalore Mahanagara Palike

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8.	Operation & Maintenance of Street lighting System, including replacement of damaged / failed / fused out components like lamps, tubes, chokes, ignitors, Capacitors, Switches, wires, Holders, Starters and Switching ON/OFF of Street lights at Specified timing & pole numbering, Preparing consolidate, Street wise data book for billing, maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below 125W HPMV pole lighting System.						
		0	x Rs. 60.83	x 1 months	=	00.00	
8.	Operation & Maintenance of Street lighting System including replacement of damaged / failed / fused out components like lamps, tubes, chokes, ignitors, Capacitors, Switches, wires, Holders, Starters and Switching ON/off						

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Dasarahalli Zone, Bangalore

ASSISTANT EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

M. A. R. 57 (Rule 116) No. E 684724
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of Street lights at Specified timing and pole numbering, Preparing consolidate, Street wise data book for billing, maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below poles with 250W HPSV Street lighting Systems.						
		968	x Rs. 84.17	x 1 months	=	81476.56.	
4.	Operation & Maintenance of Street lighting System including replacement of damaged / failed / fused out components like Lamps, tubes, chokes, ignitors, Capacitors, Switches, wires, Holders, Starters and Switching ON/Off of Street lights						

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EE (Ele)
DZ

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	at specified timing and pole numbering, Preparing ward wise, Streetwise data banks furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting systems as detailed below 400 watt HPSV Street light / High mast lighting systems.						
		4 NO's	x Rs 92.50	x 1 Month =			1 440.00
5.	Operation & Maintenance of LED Street lighting System including replacement of damaged / failed / fused out components like LED drivers, MCPCB, Surge protective device, Switches, wires, Holders, Starter observing weather proofing technic Confirming to IP 65 standards and Switching ON/Off of Street lights at specified timing & pole numbering, Preparing ward wise						

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M. A. R. 57 (Rule 116) No. E 684725

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Street wise Street light data banks, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for 24 watt - 40 watt LED park / Street lighting System.						
		479 NO's	x Rs	70.83	x 1 month =		33927.57
6.	Operation & Maintenance of LED Street lighting System including replacement of damaged / failed / fused out components like LED drivers, MCPCB, Surge Protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and Switching ON/Off of Street lights at specified timing						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and polenumbering, Preparing road wise, Street wise Street light data banks furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for 40watt to 65w LED Street light lighting System.	235 No's x Rs. 95.00 x 1 month = 22325.00					
7.	Operation & Maintenance of LED Street lighting System including replacement of damaged / failed fused out components like LED drivers, MCPCB, Surge protective device, Switches, wires, Holders, St after observing weather proofing technic Confirming to IP 65 Standards and controlling ON/OFF of Street lights at Specified timing & Pole numbering,						

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M. A. R. 57 (Rule 116) No. E
Measurement Book
684726

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Preparing road wise, Street wise Street light data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for 90W LED Street light lighting System.	39 No's x Rs. 112.50 x 1 month =					4387.50.
8.	Operation & Maintenance of LED Street lighting System including replacement of damaged / failed / fused out components like LED drivers, MCPCB, Surge protective device, Switches, wires, Holders, Starter Observing weather proofing technic confirming to IP 65						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Standards and switching ON/Off of Street lights at specified timing & pole numbering, Preparing ward wise, Street wise Street light data bank, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed in tender documents for 110/120 watt LED Street light lighting System.	0	x 0		=	00	
9.	Operation & Maintenance of LED Street lighting System including replacement of damaged/-failed/ fused/ Components like LED drivers, MCPCB, Surge Protective device, Switches, wires, Holders, Starter, Observing weather proofing technic Confirming to IP 65 Standards and switching ON/Off of Street lights						

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M. A. R. 57 (Rule 116) No. E 684727
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	at Specified timing and pole numbering, Preparing ward wise, Street wise Street light data bank, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed in tender documents for 150/180 watt LED Street light / High mast lighting System.	0	x 0		=	00	
10.	Supply & Installation / fixing / provision of outdoor type thermoplastic Modular panel enclosure with transparent Polycarbonates lid, Shock proof, IP65 (weather proof) rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket to bottom &						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Flap Suitable to fix Single phase/3φ Energy meter on Suitable base plate of having a provision for fuse/MCB Cutout with Suitable transparent hinged flap Opening for Operating MCB along with complete tamper proof Sealing facility 300mm x 150mm x 214mm.	4 NO's	x Rs. 5[illegible]	x 1 months	=		40460.00.
11.	Supply & Fixing miniature 4 pole power contactor with NO/NC contacts on Existing wood/Panel board using necessary bolts, nuts, washers & wiring etc, complete with AC-3 Rating of as per IS. 13 Amps to 100 to 125 Amps.	13 NO's	x Rs 400	x 1 Month	=		18460.00.

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M. A. R. 57 (Rule 116) No. E 634728
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12.	Supplying & fixing miniature circuit breaker on existing DACO distribution boards using necessary triangular & C type curve indicates ON/OFF, energy class with short circuit breaking capacity of 10 KA & complete wiring as required conforming to IEC 60898 50-63 Amps.	14 NO'S	x Rs. 720	x 1 month	=		20160.00.
13	Supplying & fixing microprocessor based Astronomical timer switch with using necessary bolts, nuts & washers.	14 NO'S	x Rs. 4000	x 1	=		112000.00.

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Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14.	Wiring for lighting/power Cct using One FRLS PVC insulated 1100V grade, Multistrand copper wire with low conductor resistance Single Core in open or concealed system of wiring with Specified IS-694 confirming to latest amendment 6Sqmm.	10 NOS X Rs. 65.00				=	1300.00.
15.	Supplying tinned copper ends & crimping & wiring to terminal point for wire of the following sizes 6Sqmm.	100 NOS X Rs. 7				=	1400.00.

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Dasarahalli Zone, Bangalore

M. A. R. 57 (Rule 116) No. E 684729
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total.	147059.10
	① 12% GST deduction						(-) 17647.09
	② 18% CGST Add						152706.51 1294120
	③ Total amount on item 10 to 15.						23294.16
	④ 18% GST on item 10 to 15						152706.51
	⑤ Fine imposed for non burning of street lights						360420.60
	⑥ 2% Scrap deduction for Street light ordinary maintenance						64875.60
						Grand total.	578001.71
							500.00
							3054.12
							5744476.65

Assistant Engineer (Ele)
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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited and admitted for Rs. 5,78,002/-

Passed by Cheque for Rs. 5,50,898/-

(Five lakhs fifty thousand eight hundred ninety eight only)

By adjustment Rs. 27104/-

Accounts Superintendent

B.B.M.P. Dasarahalli Division

Exe. Engineer (Ele)

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